



# Material Safety Data Sheet

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## **OTHER**

### **HEALTH EFFECTS:**

Pulmonary function may be reduced by inhalation of respirable crystalline silica. Also, lung scarring produced by such inhalation may lead to progressive massive fibrosis of the lung which may aggravate other pulmonary conditions and diseases and which increases susceptibility to pulmonary tuberculosis. Progressive massive fibrosis may be accompanied by heart enlargement, heart failure and pulmonary failure. Smoking aggravates the effects of exposure.

## **5. FIRE FIGHTING MEASURES AND EXPLOSION HAZARD DATA**

**FLASH POINT (METHOD):** Not Flammable

**FLAMMABILITY LIMITS:** Lower: Not applicable Upper: Not Applicable  
(Vol. & air, 1 bar, 68 deg-F)

**EXTINGUISHING MEDIA:** Not Applicable

**FIRE FIGHTING INSTRUCTIONS:** Not Applicable

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Not Applicable

### **HAZARDOUS**

**PRODUCTS/COMBUSTION:** Thermal decomposition may yield carbon monoxide, carbon dioxide, other oxides of carbon.

## **6. ACCIDENTAL RELEASE MEASURES**

### **ACTIONS TO TAKE FOR SPILLS /LEAKS:**

See Sections 4, 8 and 11 for hazards and exposure controls. Sweep up spills and transfer to container for recovery. Keep dusting to a minimum.

## **7. PRECAUTIONS FOR SAFE HANDLING AND STORAGE**

**STORAGE:** Store in a cool dry place.

**HANDLING:** Do not eat, drink, smoke, or chew tobacco around material. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid breathing dust.

## **8. EXPOSURE CONTROLS, PERSONAL PROTECTION**

**EYE PROTECTION:** Eye protection with side shields is recommended. (ANZI Z87.1, 1968)

**PROTECTIVE GLOVES:** General use of gloves (e.g. cotton or canvas) is recommended to protect the skin from drying and irritation.

**RESPIRATORY:** Atmospheric levels should be maintained below the exposure limits listed in Section 11 by using engineering controls. When limits are exceeded, use a MSHA/NIOSH approved respirator.

**OTHER PROTECTION:** To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE standard 29CFR1910.132 be conducted before using this product.

**VENTILATION:** Provide local exhaust ventilation at the source of dust and fumes to maintain airborne levels below the exposure levels of section 2. Refer to "Industrial Ventilation" by ACGIH for a manual of recommended practices.

### **PERSONAL HYGIENE/ WORK PRACTICES:**

Establish good personal hygiene and work practices. Always wash hands and face before eating, drinking or smoking.

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## 9. CHEMICAL AND PHYSICAL PROPERTIES

**BOILING POINT:** Not Applicable  
**MELTING POINT:** Not Applicable  
**SOL. IN WATER:** Not Soluble  
**VAPOR PRESSURE:** Not Applicable  
**AUTO IGNITION TEMP:** Not Applicable  
**FLASH POINT:** Not Applicable  
**APPEARANCE/ODOR:** Off white or grey sand, granular, crushed, or ground. No odor or taste.  
**DENSITY 68 deg-F(20 deg-C):** 22-24 lbs./gal  
**VAPOR DENSITY:** Not Applicable  
**SPECIFIC GRAVITY:** 2.65-2.85  
**EVAPORATION RATE:** Not Applicable  
**VISCOSITY 68 deg-F (20 deg-C):** Not Applicable

## 10. STABILITY AND REACTIVITY

**STABILITY:** This product is stable.  
**INCOMPATIBILITY:** Contact with powerful oxidizing agents such as fluorine, chlorine, trifluoride, manganese trioxide, oxygen difluoride may cause fires.  
**HAZARDOUS PRODUCTS OF DECOMPOSITION:** None known.  
**HAZARDOUS POLYMERIZATION:** Will not occur.  
**CONDITIONS TO AVOID:** Operations that create dust.

## 11. TOXICOLOGICAL INFORMATION

| CHEMICAL NAME           | Toxicity Data   |                 | LC50            | Exposure Limits                         |  |
|-------------------------|-----------------|-----------------|-----------------|---|--|
|                         | LD50-oral       | LD50-dermal     |                 | PEL                                     | TLV                                      |
| Quart Sands and Flour   | Not Established | Not Established | Not Established | 0.3 mg/M <sup>3</sup><br>0.1 resp. dust | 0.3 mg./M <sup>3</sup><br>0.1 resp. dust |
| Wetting Agent           | Not Established | Not Established | Not Established | Not Established                         | Not Estab.                               |
| <b>Carcinogenicity:</b> |                 |                 |                 |   |  |
| IARC.....Class 2A       | OSHA .....No    |                 |                 |   |  |
| NTP .....Yes            | ACGIH.....No    |                 |                 |   |  |

## 12. ECOLOGICAL INFORMATION

**GENERAL:** ----CERCLA/SARA requires notification to the appropriate Federal, state, and local authorities of releases hazardous or extremely hazardous quantities equal to or greater than the Reportable Quantities (RQs) in 40 CFR 302.4 and 40 CFR 355.  
----SARA Title 313 requires submissions of annual reports of releases of toxic chemicals that appear in 40 CFR 372. Components presents in this product at a level that could require reporting under statute are listed in Section 16.

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Dispose of in accordance with all local, state and federal regulations. Contact Res-Tek Inc. at (888) 737-8351 for assistance with disposal requirements.

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## 14. TRANSPORT INFORMATION

**PRIMARY HAZARD:** None                      **SECONDARY HAZARD:** None  
**DOT SHIPPING NAME:** Sand, NOI                      NMFC: 90220  
**HAZARD CLASS:** N/A                      **UN#:** N/A                      **UN CLASS:** N/A                      **PG#:** N/A  
**49 CFR REFERENCE:** N/A  
**LABEL(S):** None                      **PLACARD(S):** N/A  
**IATA SHIPPING RESTRICTIONS:** N/A  
**AUTHORIZED CONTAINER TYPE(S):** N/A

## 15. REGULATORY INFORMATION

| Substance Description  | DSL | TSCA | MA | NJ-RTK  | PA | FL | CA | MN | RI | SARA |
|------------------------|-----|------|----|---------|----|----|----|----|----|------|
| Quartz Sands and Flour | L   | L    | L  | sn 1660 | L  | L  | NL | L  | NL | NL   |
| Wetting Agent          | L   | L    | NL | NL      | NL | NL | NL | NL | NL | NL   |

|        |                                      |    |   |      |                                       |
|--------|--------------------------------------|----|---|------|---------------------------------------|
| DSL    | Domestic Substances List – Canada    | PA | Penn. Hazardous substance List              | RI   | Rhode Island Hazardous Substance List |
| TSCA   | Toxic Substance control Act          | FL | Florida Hazardous Substance List            | SARA | SARA Title III, Section 313           |
| MA     | Massachusetts Substance List         | CA | California-Directors List of Hazardous Sub. | L    | Listed                                |
| NJ RTK | New Jersey Right to Know Hazard Sub. | MN | Minnesota Hazardous Substance List          | NL   | Not Listed                            |

**OTHER REGULATORY INFORMATION:**                      **WHMIS HAZARD CLASS:**  
NFPA HEALTH                      1                      NFPA REACTIVITY                      0  
NFPA FLAMMABILITY                      0                      NFPA OTHER                      0

Hazard Index: 4-severe, 3-high, 2-moderate, 1-slight, 0-insignificant

## 16. ADDITIONAL INFORMATION

**FOR INDUSTRIAL USE ONLY!**  
**KEEP OUT OF REACH OF CHILDREN!**  
**THRESHHOLD ODOR LIMIT OF THIS PRODUCT IS LESS THAN 1 PPM.**

CERCLA reporting:                      RQ = 1000# for Methyl methacrylate

**THIS MATERIAL IS IN COMPLIANCE WITH THE TOXIC SUBSTANCES CONTROL ACT AND DOMESTIC SUBSTANCE LIST - CANADA**

1996 North American Emergency Response Guide Number 127

For additional product safety or use information, contact Res-Tek Inc. at the address or phone number listed on page #1.

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